



BUNTING®

Product Catalog

Certified to ISO 9001:2000

CAST BRONZE
BEARINGS

CONTINUOUS AND
CENTRIFUGAL CAST
BRONZE BARS

ALUMINUM BRONZE
BAR AND WEARPLATE

POWDERED METAL
PRODUCTS

LUBE-ALIGN
MOUNTED BEARINGS

ENGINEERED
PLASTIC BEARINGS

Bunting C95400 Continuous Cast and Centrifugal Cast Aluminum Bronze Bars

Bunting Bearings continuous cast aluminum bronze bars are available from stock in C95400 bronze in standard 13" and 144" lengths solid and cored bars. Other lengths are available on request.

Aluminum bronze is very hard, very strong, abrasion resistant bronze whose physical properties remain good at elevated temperatures—compressive strength at 500°F is the same as that of tin bronzes at room temperature. Good applications are heavy earth moving equipment, roll neck bearings, and machine tool bearings.

Centrifugal cast large diameter cored bars are available as standard stock items in 13" lengths.

Contact your local Bunting Bearings Authorized Distributor or Regional Service Center for more information or engineering assistance.

C95400 Continuous Cast and Centrifugal Cast Aluminum Bronze Bars Engineering Data

Typical Properties As Cast

Note: Not to be used for specification purposes.

Chemical Composition

Aluminum	10.0 - 11.5%
Iron	3.0 - 5.0%
Copper	83.0 Min.

Minimum Physical Properties

Tensile Strength, PSI	85,000
Yield Strength, PSI	32,000
Elongation in 2"	12%
Reduction of Area	None
Brinell @ 3000 KG Load	170

Maximum Operating Temperature for C95400 = 500° F+

Comparable Alloy Specifications: C95400

Common Continuous Cast Manufacturing Specifications:

ASTM B505; QQ-C-390B, Type III

Nominal Stock Allowances

O.D. up to 2.25"060 I.D. and O.D.
O.D. 2.25" to 3.25"080 I.D. and O.D.
O.D. 3.25" to 6.00"100 I.D. and O.D.
O.D. 6.00" to 8.00"125 I.D. and O.D.

Comparable Alloy Specifications: C95400; 9C

Common Centrifugal Cast Manufacturing Specifications:

ASTM 271; QQ-C-390B, Type II

Nominal Stock Allowances

O.D.100/.125"
I.D.100/.125"

C95400 Continuous Cast Aluminum Bronze Solid Bars



PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB 4	SOLID	1/2	.8	10
AB 6		3/4	1.9	22
AB 8	SOLID	1	3.1	35
AB 10		1-1/4	4.8	54
AB 12		1-1/2	6.7	75
AB 13		1-5/8	7.8	87
AB 14		1-3/4	9.1	101
AB 16	SOLID	2	11.9	133
AB 18		2-1/4	14.8	165
AB 20		2-1/2	18.6	207
AB 22		2-3/4	22.4	249
AB 24	SOLID	3	26.5	294
AB 26		3-1/4	31.0	344
AB 28		3-1/2	36.1	401
AB 30		3-3/4	41.1	456

PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB 32	SOLID	4	46.3	514
AB 34		4-1/4	52.8	586
AB 36		4-1/2	59.3	658
AB 40	SOLID	5	72.4	803
AB 42		5-1/4	79.5	881
AB 44		5-1/2	87.5	970
AB 46		5-3/4	96.3	1067
AB 48	SOLID	6	103.5	1147
AB 50		6-1/4	111.4	1235
AB 52		6-1/2	120.0	1330
AB 56	SOLID	7	138.8	1538
AB 64	SOLID	8	180.8	2003

C95400 Continuous Cast Aluminum Bronze Cored Bars



PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB 610	3/4	1-1/4	3.5	39
AB 612		1-1/2	5.4	61
AB 614		1-3/4	7.8	87
AB 616		2	10.5	117
AB 812	1	1-1/2	4.4	49
AB 814		1-3/4	6.7	75
AB 816		2	9.3	104
AB 818		2-1/4	12.4	138
AB 820		2-1/2	16.3	181
AB 824		3	24.3	270

PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB1014	1-1/4	1-3/4	5.3	59
AB1016		2	7.9	88
AB1018		2-1/4	11.3	126
AB1020		2-1/2	14.9	166
AB1024		3	22.8	253
AB1028	3-1/2	32.7	363	
AB1216	1-1/2	2	6.0	67
AB1218		2-1/4	9.1	101
AB1220		2-1/2	13.0	145

C95400 Continuous Cast Aluminum Bronze Cored Bars



PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB1222	1-1/2	2-3/4	16.8	187
AB1224		3	21.0	233
AB1226		3-1/4	26.0	289
AB1228		3-1/2	30.7	341
AB1232		4	41.7	462
AB1236		4-1/2	53.9	598
AB1418	1-3/4	2-1/4	7.0	78
AB1420		2-1/2	10.7	119
AB1422		2-3/4	14.7	163
AB1424		3	18.8	209
AB1426		3-1/4	23.2	258
AB1428		3-1/2	28.7	319
AB1430		3-3/4	34.0	377
AB1619		2	2-3/8	6.5
AB1620	2-1/2		8.2	92
AB1622	2-3/4		12.1	135
AB1624	3		16.4	182
AB1626	3-1/4		20.7	230
AB1628	3-1/2		26.3	292
AB1630	3-3/4		31.4	349
AB1632	4		37.1	412
AB1636	4-1/2		49.2	546
AB1640	5		62.8	696
AB1648	6		93.5	1036
AB1821	2-1/4		2-5/8	7.2
AB1822		2-3/4	9.2	103
AB1824		3	13.5	150
AB1826		3-1/4	17.8	198
AB1828		3-1/2	23.6	262
AB2024		2-1/2	3	9.9
AB2026	3-1/4		14.6	162
AB2028	3-1/2		20.2	224
AB2030	3-3/4		25.5	283
AB2032	4		30.9	343
AB2036	4-1/2		43.2	479
AB2040	5		56.9	631
AB2048	6		88.8	984
AB2226	2-3/4	3-1/4	10.9	121
AB2228		3-1/2	16.4	182
AB2230		3-3/4	21.6	240
AB2232		4	27.7	307
AB2234		4-1/4	33.8	375

PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB2236	2-3/4	4-1/2	40.0	444
AB2428	3	3-1/2	12.9	143
AB2430		3-3/4	17.9	199
AB2432		4	23.4	260
AB2434		4-1/4	29.5	327
AB2436		4-1/2	35.8	397
AB2440		5	50.1	556
AB2444		5-1/2	63.6	705
AB2448	6	80.9	897	
AB2456	7	116.0	1286	
AB2632	3-1/4	4	19.0	211
AB2634		4-1/4	25.3	281
AB2636		4-1/2	31.4	349
AB2640		5	44.6	495
AB2832	3-1/2	4	14.7	163
AB2834		4-1/4	20.8	231
AB2836		4-1/2	26.7	296
AB2840		5	40.1	445
AB2844		5-1/2	55.6	617
AB2848		6	71.7	795
AB3038	3-3/4	4-3/4	28.6	317
AB3236	4	4-1/2	16.6	184
AB3238		4-3/4	23.2	258
AB3240		5	29.9	332
AB3244		5-1/2	45.3	502
AB3248		6	61.3	680
AB3256		7	97.5	1080
AB3264		8	139.2	1543
AB3440	4-1/4	5	24.6	273
AB3640	4-1/2	5	18.8	209
AB3642		5-1/4	25.9	287
AB3644		5-1/2	33.9	376
AB3648		6	49.7	551
AB3652		6-1/2	68.6	761
AB3660		7-1/2	108.7	1205
AB4044	5	5-1/2	20.2	224
AB4048		6	36.9	409
AB4056		7	73.2	812



C95400 Continuous Cast Aluminum Bronze Cored Bars

PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB4064	5	8	115.2	1277
AB4452	5-1/2	6-1/2	40.4	448
AB4856	6	7	43.7	485

PART NUMBER	NOMINAL		AVG. WT. 13"	AVG. WT. 144"
	I.D.	O.D.		
AB4864	6	8	85.6	949
AB5260	6-1/2	7-1/2	47.3	525
AB5664	7	8	50.6	561

OTHER LENGTHS, ALLOYS AND SIZES ARE ALSO AVAILABLE.
ALL WEIGHTS SHOWN ARE APPROXIMATE WEIGHTS.



C95400 Centrifugal Cast Aluminum Bronze Cored Bars

PART NUMBER	NOMINAL		AVG. WT. 13"
	I.D.	O.D.	
AB40072	5	9	168
AB40080		10	218
AB40084	10-1/2	11	247
AB40088		12	277
AB40092	11-1/2	13	309
AB40096		14	342
AB40100	12-1/2	15	376
AB44080		5-1/2	10
AB44084	11		233
AB44088	11-1/2	12	263
AB44092		13	295
AB44096	12-1/2	14	327
AB44100		15	362
AB48068	6	8-1/2	111
AB48072		9	138
AB48080	10-1/2	10	189
AB48084		11	217
AB48088	11-1/2	12	248
AB48092		13	279
AB48096	12-1/2	14	312
AB48100		15	346
AB48104	13	16	382
AB48112		17	458
AB52068	6-1/2	8-1/2	94
AB52076		9-1/2	144
AB52080	10	11	172
		12	

PART NUMBER	NOMINAL		AVG. WT. 13"
	I.D.	O.D.	
AB52084	6-1/2	10-1/2	200
AB52088		11	231
AB52092	11-1/2	12	262
AB52096		13	295
AB52100	12-1/2	14	329
AB52104		15	365
AB56068	7	8-1/2	75
AB56072		9	102
AB56076	9-1/2	10	126
AB56080		11	153
AB56084	10-1/2	12	182
AB56088		13	212
AB56092	11-1/2	14	243
AB56096		15	277
AB56100	12-1/2	16	311
AB56104		17	347
AB56112	14	18	422
		19	
AB60068	7-1/2	8-1/2	56
AB60076		9-1/2	106
AB60080	10-1/2	10	133
AB60084		11	162
AB60088	11-1/2	12	192
AB60092		13	224
AB60096	12-1/2	14	257
AB60100		15	291
AB60104	13-1/2	16	327
AB60108		17	364

C95400 Centrifugal Cast Aluminum Bronze Cored Bars



PART NUMBER	NOMINAL		AVG. WT. 13"
	I.D.	O.D.	
AB64072	8	9	60
AB64076		9-1/2	85
AB64080		10	112
AB64084		10-1/2	141
AB64088		11	171
AB64092		11-1/2	203
AB64096		12	236
AB64100		12-1/2	270
AB64104		13	306
AB64108		13-1/2	343
AB64112		14	381
AB64128		16	549
AB68076		8-1/2	9-1/2
AB68080	10		90
AB68084	10-1/2		119
AB68088	11		149
AB68092	11-1/2		180
AB68096	12		213
AB68100	12-1/2		247
AB68104	13		283
AB68108	13-1/2		320
AB68112	14		359
AB72080	9	10	67
AB72084		10-1/2	95
AB72088		11	125
AB72092		11-1/2	156
AB72096		12	189
AB72100		12-1/2	224
AB72104		13	259
AB72108		13-1/2	296
AB72112		14	335
AB76084	9-1/2	10-1/2	69
AB76088		11	100
AB76092		11-1/2	131
AB76096		12	164
AB76100		12-1/2	198
AB76104		13	234
AB76108		13-1/2	271
AB76112		14	310
AB80088	10	11	73
AB80092		11-1/2	104
AB80096		12	137
AB80100		12-1/2	172
AB80104		13	207
AB80108		13-1/2	244
AB80112		14	283
AB80128		16	451

PART NUMBER	NOMINAL		AVG. WT. 13"
	I.D.	O.D.	
AB80144	10	18	641
AB84092	10-1/2	11-1/2	76
AB84096		12	109
AB84100		12-1/2	144
AB84104		13	179
AB84108		13-1/2	216
AB84112		14	255
AB84116		14-1/2	295
AB84120		15	336
AB88096	11	12	80
AB88100		12-1/2	114
AB88104		13	150
AB88108		13-1/2	187
AB88112		14	225
AB88116		14-1/2	265
AB88120	15	306	
AB92100	11-1/2	12-1/2	83
AB92104		13	119
AB92108		13-1/2	156
AB92112		14	195
AB92116		14-1/2	234
AB92120		15	276
AB96104	12	13	87
AB96108		13-1/2	124
AB96112		14	162
AB96116		14-1/2	202
AB96120		15	243
AB96124		15-1/2	286
AB96128		16	330
AB96144		18	520
AB100108	12-1/2	13-1/2	90
AB100112		14	129
AB100116		14-1/2	168
AB100120		15	210
AB100124		15-1/2	252
AB100128		16	296
AB104112	13	14	94
AB104116		14-1/2	133
AB104120		15	175
AB104124		15-1/2	217
AB104128		16	261
AB108116	13-1/2	14-1/2	97
AB108120		15	138
AB108124		15-1/2	181



C95400 Centrifugal Cast Aluminum Bronze Cored Bars

PART NUMBER	NOMINAL		AVG. WT. 13"	PART NUMBER	NOMINAL		AVG. WT. 13"
	I.D.	O.D.			I.D.	O.D.	
AB108128	13-1/2	16	225	AB128136	16	17	114
AB108132		16-1/2	270	AB128140		17-1/2	163
AB108136		17	317	AB128144		18	212
AB112120	14	15	100	AB128148		18-1/2	263
AB112144		18	377	AB128152		19	315
AB112124		15-1/2	143	AB132140	16-1/2	17-1/2	118
AB112128		16	187	AB132144		18	167
AB112132		16-1/2	233	AB132148		18-1/2	218
AB112136		17	279	AB132152		19	271
AB112144		18	377	AB132156		19-1/2	324
AB116124		14-1/2	15-1/2	104		AB136144	17
AB116128	16		148	AB136148	18-1/2	172	
AB116132	16-1/2		193	AB136152	19	225	
AB116136	17		240	AB136156	19-1/2	278	
AB120128	15	16	107	AB140148	17-1/2	18-1/2	125
AB120132		16-1/2	153	AB140152		19	177
AB120136		17	200	AB140156		19-1/2	231
AB120140		17-1/2	248	AB140160		20	286
AB120144		18	297	AB144152	18	19	128
AB120148		18-1/2	348	AB144156		19-1/2	182
				AB144160		20	237
AB124132	15-1/2	16-1/2	111	AB148156	18-1/2	19-1/2	132
AB124136		17	158	AB148160		20	187
AB124140		17-1/2	206	AB152160	19	20	135
AB124144		18	255				
AB124148		18-1/2	306				

OTHER LENGTHS, ALLOYS, AND SIZES ARE ALSO AVAILABLE.
ALL WEIGHTS SHOWN ARE APPROXIMATE WEIGHTS.

Bunting C95400 Continuous Cast Aluminum Bronze Wearplate

Bunting continuous cast aluminum bronze wearplate in Alloy C95400 is available in stock sizes up to 144" long with cross sections ranging from 1/4" x 1" to 3" x 12".

Extremely close tolerances are maintained in the cast process requiring only a minimum of machining to provide finished products.

Bunting C95400 wearplate shows the same proven bearing qualities of C95400 bronze bars.

C95400 Continuous Cast Aluminum Bronze Wearplate Engineering Data

Typical Properties - C95400

Note: Not to be used for specification purposes.

Chemical Composition

Aluminum	10.0 - 11.5%
Iron	3.0 - 5.0%
Copper	Balance

Minimum Physical Properties

Tensile Strength, PSI	85,000
Yield Strength, PSI	32,000
Elongation in 2"	12%
Brinell @ 3000 KG Load	170

Maximum Operating Temperature for C95400 = 500° F+

Comparable Alloy Specifications: C95400; 9C

Common Continuous Cast Manufacturing Specifications:

ASTM B505; QQ-C-390B, Type III

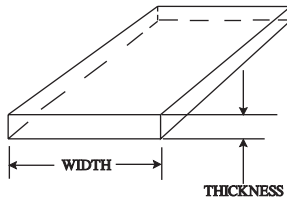
C95400 Wearplate Dimensional Tolerances

Nominal Stock Allowances

All Thicknesses085"
Widths up to 5"085"
5" and over110"

Maximum deviation from straightness due to twist, waviness or full camber is 1/4" in any 5 feet.

Width flatness to be within stock allowances.



C95400 Continuous Cast Aluminum Bronze Wearplate

PART NUMBER	NOMINAL		AVG. WT. 144"	
	THICK	WIDTH		
PA 208	1/4	1	15	
PA 210		1-1/4	17	
PA 212		1-1/2	19	
PA 216		2	27	
PA 220		2-1/2	33	
PA 224			3	40
PA 232			4	52
PA 248		6	81	
PA 296		12	160	
PA 308	3/8	1	20	
PA 312		1-1/2	28	
PA 316		2	36	
PA 320		2-1/2	45	
PA 324			3	55
PA 328		3-1/2	66	
PA 332			4	73
PA 340		5	91	
PA 348		6	105	
PA 408		1/2	1	23
PA 410	1-1/4		29	
PA 412	1-1/2		36	
PA 414	1-3/4		42	
PA 416	2		47	
PA 420	2-1/2		59	
PA 424			3	71
PA 428	3-1/2		84	
PA 432			4	91
PA 440	5		117	
PA 448	6		136	
PA 464	8		178	
PA 496	12		280	
PA 508	5/8		1	30
PA 512			1-1/2	44
PA 516		2	57	
PA 520		2-1/2	71	
PA 524			3	85
PA 532		4	114	
PA 548		6	169	
PA 606	3/4	3/4	26	
PA 608		1	36	
PA 612		1-1/2	51	
PA 616		2	66	
PA 620		2-1/2	84	
PA 628			3-1/2	117
PA 632		4	134	
PA 640		5	163	
PA 648		6	190	
PA 664		8	267	
PA 696		12	399	
PA 808		1	1	46
PA 810			1-1/4	57
PA 812			1-1/2	67

PART NUMBER	NOMINAL		AVG. WT. 144"
	THICK	WIDTH	
PA 814	1	1-3/4	78
PA 816		2	90
PA 824		3	132
PA 828		3-1/2	152
PA 832			4
PA 840		5	217
PA 848		6	241
PA 864		8	347
PA 896		12	519
PA1010		1-1/4	1-1/4
PA1012	1-1/2		83
PA1014	1-3/4		97
PA1016	2		109
PA1020	2-1/2		134
PA1024			3
PA1028	3-1/2		188
PA1032			4
PA1040	5		262
PA1048	6		303
PA1080	10	533	
PA1212	1-1/2	1-1/2	99
PA1214		1-3/4	114
PA1216		2	129
PA1220		2-1/2	160
PA1224			3
PA1232		4	247
PA1240		5	315
PA1248	6	376	
PA1416	1-3/4	2	150
PA1420		2-1/2	189
PA1424			3
PA1432		4	293
PA1440		5	365
PA1448	6	418	
PA1616	2	2	171
PA1620		2-1/2	213
PA1624			3
PA1628		3-1/2	289
PA1632			4
PA1640		5	419
PA1648		6	485
PA1680	10	832	
PA2020	2-1/2	2-1/2	260
PA2024		3	313
PA2032		4	416
PA2040		5	517
PA2424	3	3	373
PA2432		4	498
PA2448		6	745
PA2464		8	989
PA2480		10	1208
PA2496		12	1447

OTHER LENGTHS, ALLOYS, AND SIZES ARE ALSO AVAILABLE.
ALL WEIGHTS SHOWN ARE APPROXIMATE WEIGHTS.